Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). An image bearing article, comprising:

a) a support;

b) a visible image recorded on the support, the visible image having a plurality of image pixels having image information; and

c) an invisible ~~information~~ layer recorded on the support, the invisible ~~information~~ layer having invisible data elements corresponding to each of said image pixels of said visible image, each of said invisible data elements ~~relating to and~~ being in registration with a respective one of the image pixels of the visible image, each of said invisible data elements having one of a plurality of values encoding additional information about the respective one of the image pixels of the visible image, each of said invisible data elements being individually readable to provide said additional information.

2 (currently amended). An image bearing article, comprising:

a) a support;

b) a visible image recorded on the support, the visible image having a plurality of image pixels having image information; and

c) a plurality of invisible ~~information~~ layers recorded on the support, the invisible ~~information~~ layers each having invisible data elements corresponding to each of said image pixels of said visible image, each of said invisible data elements ~~relating to and~~ being in the same physical pixel location as a respective one of the image pixels of the visible image, each of said invisible data elements having additional information about the respective one of the image pixels of the visible image;

wherein ~~the visible image is a pictorial image~~ respective invisible data elements of each of the invisible layers have different information.

3 (currently amended). The article claimed in Claim 2, wherein one of the invisible ~~information~~ layers is recorded as a pattern of invisible ink deposited by an inkjet printer.

4 (currently amended). The article claimed in Claim 2, wherein one of the invisible ~~information~~ layers is recorded as a pattern of invisible dye in a photographic emulsion layer.

5 (currently amended). The article claimed in Claim 2, wherein one of the invisible ~~information~~ layers is recorded as a pattern of invisible dye deposited by sublimation from a donor.

6 (currently amended). The article claimed in Claim 2, wherein the ~~pictorial~~ visible image is a photographic image.

7 (currently amended). The article claimed in Claim 2, wherein the ~~pictorial~~ visible image is a computer generated image.

8 (previously presented). The article claimed in Claim 1, wherein the invisible data elements are each distance information relating to a respective one of the image pixels.

9 (previously presented). The article claimed in Claim 1, wherein the invisible data elements are each a classification of a respective one of the image pixels.

10 (previously presented). The article claimed in Claim 1, wherein the invisible data elements are each a difference between a respective one of the image pixels and a corresponding element in a separate image.

11 (previously presented). The article claimed in Claim 10, wherein the visible image and the separate image comprise a stereo pair.

12 (previously presented). The article claimed in Claim 1, wherein the invisible data elements are each an attribute of the color or exposure of a respective one of the image pixels.

13 (previously presented). The article claimed in Claim 1, wherein the visible image is a constrained image and the invisible data elements each represent a difference at a respective one of the image pixels between the constrained image and an unconstrained version of the image.

14 (previously presented). The article claimed in Claim 13, wherein the visible image is constrained in resolution.

15 (previously presented). The article claimed in Claim 13, wherein the visible image is constrained in dynamic range.

16 (previously presented). The article claimed in Claim 13, wherein the visible image is constrained in color gamut.

17 (currently amended). The article claimed in Claim 1, wherein the invisible ~~information~~ layer is detectable in the ultraviolet region of the electromagnetic spectrum.

18 (currently amended). The article claimed in Claim 1, wherein the invisible ~~information~~ layer is detectable in the infrared region of the electromagnetic spectrum.

19 (currently amended). The image bearing article claimed in Claim 1, wherein the invisible ~~information~~ layer is ~~recorded in~~ one of multiple layers of invisible information on the support.

20 (original). The image bearing article claimed in Claim 1, wherein the article contains a temporal sequence of images.

21 (currently amended). The image bearing article claimed in Claim 2, wherein <u>one of</u> the invisible ~~information~~ <u>layers</u> is recorded at a resolution different from that of the visible information.

22 (currently amended). A method of recording an image, comprising the steps of:

a) recording a visible image on a medium, the visible image having a plurality of image pixels <u>having image information</u>; and

b) recording <u>an</u> invisible ~~information~~ <u>layer</u> on the medium, the invisible ~~information~~ <u>layer</u> having invisible data elements corresponding to each of said image pixels of said visible image, each of said invisible data elements ~~relating to and~~ being in registration with a respective one of the image pixels of the visible image<u>, each of said invisible data elements having one of a plurality of values encoding additional information about the respective one of the image pixels of the visible image, each of said invisible data elements being individually readable to provide said additional information</u>.

23 (currently amended). A method of recording an image, comprising the steps of:

a) recording a visible image on a medium, the visible image having a plurality of image pixels <u>having image information</u>; and

b) recording <u>a plurality of</u> invisible ~~information~~ <u>layers</u> on the medium, the invisible ~~information~~ <u>layers each</u> having a plurality of invisible data elements <u>corresponding to each of said image pixels of said visible image</u>, each of said invisible data elements ~~relating to and~~ being in the same physical pixel location as a respective one of the image pixels of the visible image<u>, each of said invisible data elements having additional information about the respective one of the image pixels of the visible image</u>~~;~~

wherein ~~the visible image is a pictorial image~~ <u>respective invisible data elements of each of the invisible layers have different information</u>.

24 (currently amended). The method claimed in Claim 23, wherein <u>one of</u> the invisible ~~information~~ <u>layers</u> is recorded as a pattern of invisible ink deposited by an inkjet printer.

25 (currently amended). The method claimed in Claim 23, wherein one of the invisible ~~information~~ layers is recorded as a pattern of invisible dye in a photographic emulsion layer.

26 (currently amended). The method claimed in Claim 23, wherein one of the invisible ~~information~~ layers is recorded as a pattern of invisible dye deposited by sublimation from a donor.

27 (currently amended). The method claimed in Claim 23, wherein the ~~pictorial~~ visible image is a photographic image.

28 (currently amended). The method claimed in Claim 23, wherein the ~~pictorial~~ visible image is a computer generated image.

29 (previously presented). The method claimed in Claim 22, wherein the invisible data elements are each distance information relating to a respective one of the image pixels.

30 (previously presented). The method claimed in Claim 22, wherein the invisible data elements are each a classification of a respective one of the image pixels.

31 (previously presented). The method claimed in Claim 22, wherein the invisible data elements are a difference between a respective one of the image pixels and a corresponding element in a separate image.

32 (previously presented). The method claimed in Claim 31, wherein the visible image and the separate image comprise a stereo pair.

33 (previously presented). The method claimed in Claim 22, wherein the invisible data elements are each an attribute of the color or exposure of a respective one of the image pixels.

34 (previously presented). The method claimed in Claim 22, wherein the visible image is a constrained image and the invisible data elements each represent a difference at a respective one of the image pixels between the constrained image and an unconstrained version of the image.

35 (previously presented). The method claimed in Claim 34, wherein the visible image is constrained in resolution.

36 (previously presented). The method claimed in Claim 34, wherein the visible image is constrained in dynamic range.

37 (previously presented). The method claimed in Claim 34, wherein the visible image is constrained in color gamut.

38 (currently amended). The method claimed in Claim 22, wherein the invisible ~~information~~ layer is detectable in the ultraviolet region of the electromagnetic spectrum.

39 (currently amended). The method claimed in Claim 22, wherein the invisible ~~information~~ layer is detectable in the infrared region of the electromagnetic spectrum.

40 (currently amended). The method bearing article claimed in Claim 22, wherein the invisible ~~information~~ layer is ~~recorded in~~ one of multiple layers of invisible information on the medium.

41 (previously presented). The method bearing article claimed in Claim 22, wherein the article contains a temporal sequence of images.

42 (currently amended). The method bearing article claimed in Claim 23, wherein one of the invisible ~~information~~ layers is recorded at a resolution different from that of the visible image.